

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1-22. (Canceled)

23. (Currently amended) A method for determining an interaction profile for a PDZ Ligand protein (PL protein) comprising:

(a) contacting the PL protein to an array of at least 5 PDZ domain polypeptides of different amino acid sequence, each located at a different predetermined site on the array; and

(b) detecting whether the PL protein interacts with the PDZ- domain polypeptide at each site of the array to determine which of the PDZ-domain polypeptides the PL protein interacts with, thereby obtaining the interaction profile for the PL protein; ~~and~~

~~(c) —determining an interaction profile for the PL protein from the interactions detected in step (b).~~

24. (Previously presented) The method of claim 23, wherein the array comprises at least 25 different PDZ- domain polypeptides of different sequence, whereby an interaction profile between the PL protein and at least 25 different PDZ-domain polypeptides is determined.

25. (Previously presented) The method of claim 23, wherein the method is repeated with one or more additional PL proteins, whereby an interaction profile for each of the additional PL proteins is determined.

26-37. (Canceled)

38. (Previously presented) The method of claim 23, wherein the array comprises at least 40 PDZ- domain polypeptides of different amino acid sequence, whereby an

interaction profile between the PL protein and at least 40 different PDZ-domain polypeptides is determined.

39. (Currently amended) The method of ~~claim 38~~ claim 23, wherein interactions between the PL protein and the PDZ- domain polypeptides is detected by an enzyme-linked immunoabsorbent assay (ELISA).

40. (Previously presented) The method of claim 23, further comprising determining for each interaction between the PL protein and one of the PDZ- domain polypeptides whether there is a statistical difference between a signal representative of the interaction and a signal for a control, wherein only those interactions in which there is a statistical difference are identified as involving an PDZ domain/PL interaction.

41. (Canceled)

42. (Previously presented) The method of claim 23, wherein each of the PDZ- domain polypeptides are immobilized in a well of a microtiter plate.

43-50. (Canceled)

51. (New) The method of claim 23, wherein at least some of the PDZ-domain polypeptides are from different families.